

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A system for anchoring a device to a lesion in the vasculature of a patient, which comprises:

 a flexible member defining an axis and having an inner surface and an outer surface, wherein said outer surface is formed with a plurality of solid integral protuberances seamlessly interconnected therewith to project radially outwardly therefrom; [[and]]

 a means for moving said member between a first configuration wherein said member is collapsed onto the axis and a second configuration wherein said member is made substantially rigid to embed; and

a means for embedding said protuberances into the lesion and anchor for anchoring the device to the lesion.

2. (Original) A system as recited in claim 1 wherein said member is tubular-shaped and has a first end and a second end, said system further comprising:

a first flexible enclosure integrally attached to said first end of said member and extending away therefrom in an axial direction; and

a second flexible enclosure integrally attached to said second end of said member and extending away therefrom in an axial direction, wherein said first enclosure and said second enclosure, in combination with said member, establish an inflatable balloon for the system.

3. (Original) A system as recited in claim 1 further comprising an inflatable balloon with said inner surface of said member bonded to said balloon for movement from the first configuration to the second configuration in response to an inflation of said balloon and for movement from the second configuration to the first configuration in response to a deflation of said balloon.

4. (Original) A system as recited in claim 3 wherein said member is ultrasonically bonded to said balloon.

5. (Original) A system as recited in claim 1 wherein said means for moving said member between the first configuration and the second configuration comprises a fluid pump.

6. (Original) A system as recited in claim 1 wherein said protuberances are a plurality of raised ridges with said ridges oriented substantially parallel to the axis.

7 (Original) A system as recited in claim 6 wherein each said ridge extends radially to an edge that is aligned substantially parallel to the axis.

8. (Original) A system as recited in claim 1 wherein said protuberances are a plurality of bumps.

9. (Original) A system as recited in claim 8 wherein said bumps are randomly arranged on said outer surface of said member.

10. (Original) A system as recited in claim 1 wherein said member and said protuberances are made of a same selected material.

11. (Currently Amended) A system for anchoring a device to a lesion in the vasculature of a patient, which comprises:

a flexible member defining an axis and having an inner surface and an outer surface, with said member having a plurality of solid protuberances projecting radially outward from said outer surface, wherein said member and said protuberances are seamlessly interconnected and are made of a same selected material; [[and]]

a means for moving said member between a first configuration, wherein said member is collapsed onto the axis, and a second configuration, wherein said member is substantially rigid and is distanced from the axis ~~to project; and~~

a means for projecting said protuberances radially away from the axis to embed said protuberances into the lesion and anchor the device to the lesion.

12. (Original) A system as recited in claim 11 wherein the selected material is polyethylene terephthalate (PET).

13. (Original) A system as recited in claim 11 wherein said protuberances are a plurality of raised ridges with each said ridge extending to an edge that is aligned substantially parallel to the axis.

Claims 14-23 (Canceled)

24. (New) A method for anchoring a device to a lesion in the vasculature of a patient, which comprises:

providing a flexible member defining an axis and having an inner surface and an outer surface, wherein said outer surface is formed with a plurality of integral protuberances seamlessly interconnected therewith to project outwardly therefrom;

moving said member between a first configuration wherein said member is collapsed onto the axis and a second configuration wherein said member is made substantially rigid; and

embedding said protuberances into the lesion to anchor the device to the lesion.

25. (New) A method as recited in claim 24 further comprising the steps of:

supplying a fluid pump in fluid communication with said flexible member; and

operating the fluid pump to pump fluid into the flexible member to move the flexible member from the first configuration to the second configuration.

26. (New) A method as recited in claim 24 wherein the embedding step is performed during the moving step.

27. (New) A method as recited in claim 24 wherein the providing step includes supplying a flexible member formed with a plurality of solid integral protuberances projecting radially outwardly from the outer surface.

28. (New) A method for anchoring a device to a lesion in the vasculature of a patient, which comprises:

providing a flexible member defining an axis and having an inner surface and an outer surface, with said member having a plurality of protuberances projecting from said outer surface, wherein said member and said protuberances are seamlessly interconnected and are made of a same selected material;

moving said member between a first configuration, wherein said member is collapsed onto the axis, and a second configuration, wherein said member is substantially rigid and is distanced from the axis to project said protuberances radially away from the axis; and

embedding said protuberances into the lesion to anchor the device to the lesion.

29. (New) A method as recited in claim 28 further comprising the steps of:
 - supplying a fluid pump in fluid communication with said flexible member;
 - and
 - operating the fluid pump to pump fluid into the flexible member to move the flexible member from the first configuration to the second configuration.
30. (New) A method as recited in claim 28 wherein the embedding step is performed during the moving step.
31. (New) A method as recited in claim 28 wherein the providing step includes supplying a flexible member formed with a plurality of solid integral protuberances projecting radially outwardly from the outer surface.